Phenylalanine ammonia lyase (PAL)

Cat. No. PAL-34 **Lot. No.** (See product label)

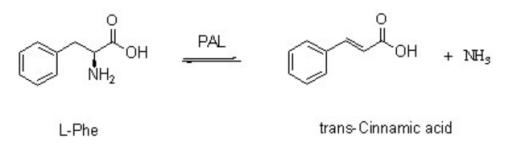
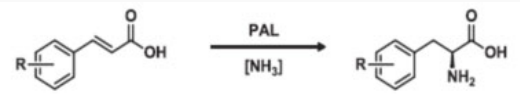
SPECIFICATION

Product Overview	
Description	PAL: A class of enzymes that catalyze the direct deamination of L-phenylalanine to trans- cinnamic acid.
Applications	1. Normally, the reaction system should include substrate, buffer solution and enzyme. 2. Each kind of PAL corresponding to various optimum reaction conditions, which could be studied individually. 3. The PAL should be added last into reaction system to maintain the activity.
Notes	Never contact with extreme conditions such as: high temperature, high/low pH and high concentration organic solvent.
Storage	Keep 2 years below -20 centigrade.
Advantages	1. High substrate specificity. 2. Strong chiral selectivity. 3. High conversion. 4. Less by-products. 5. Mild reaction conditions. 6. Environmentally friendly.

GENE INFORMATION

Official Symbol	PAL
Synonyms	Phenylalanine ammonia lyase; PAL

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Catalytic reaction type	
Application Examples	 Biosynthesis of trans cinnamic acid from phenylalanine
Application Examples	 Biosynthesis of phenylalanine derivative from trans-cinnamic acid derivative

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